

FIG. 1

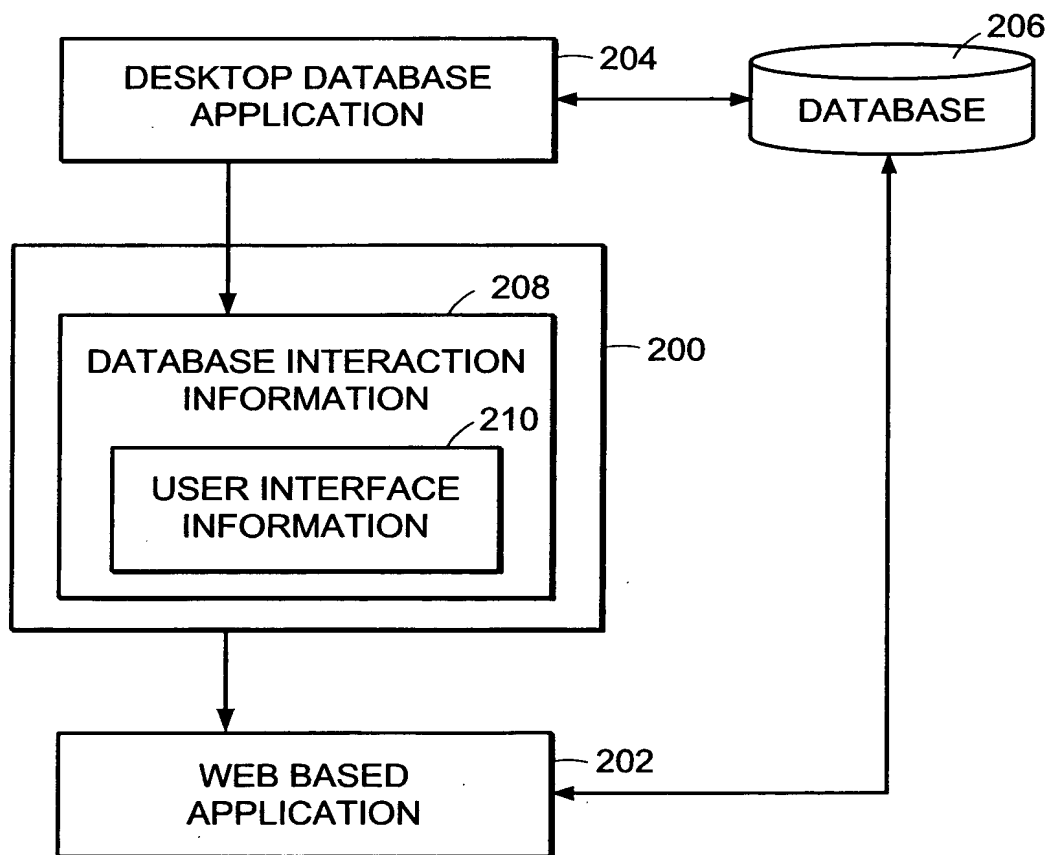


FIG. 2

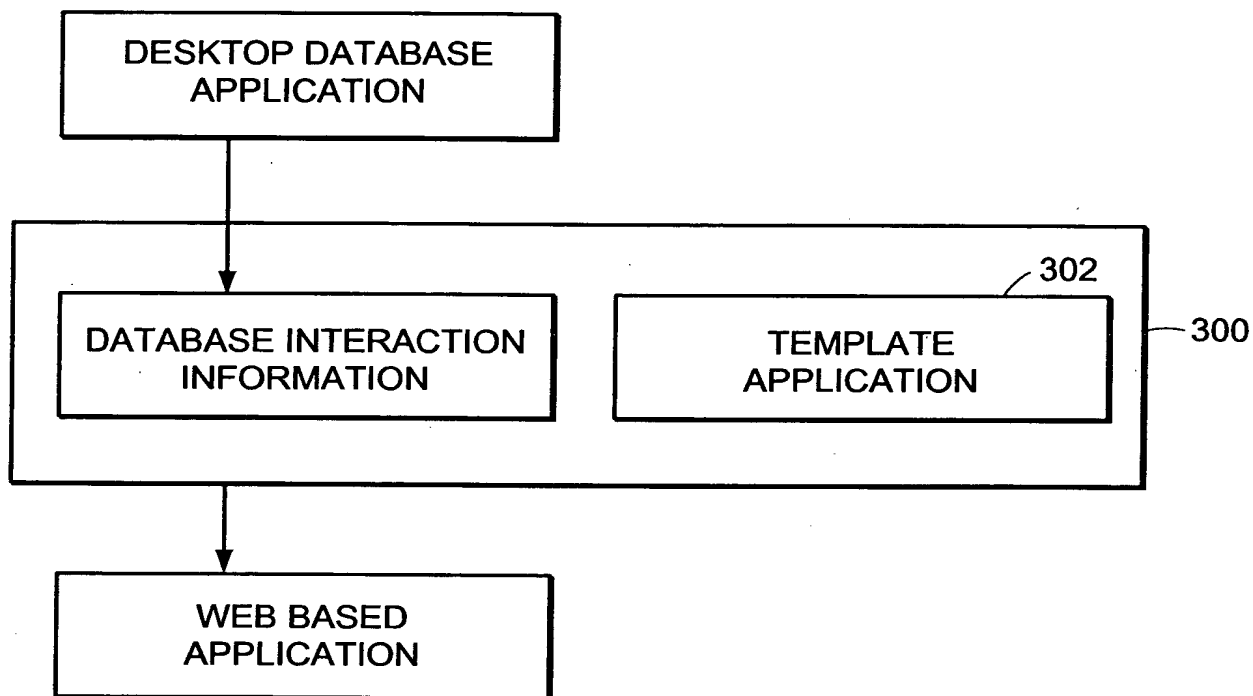


FIG. 3

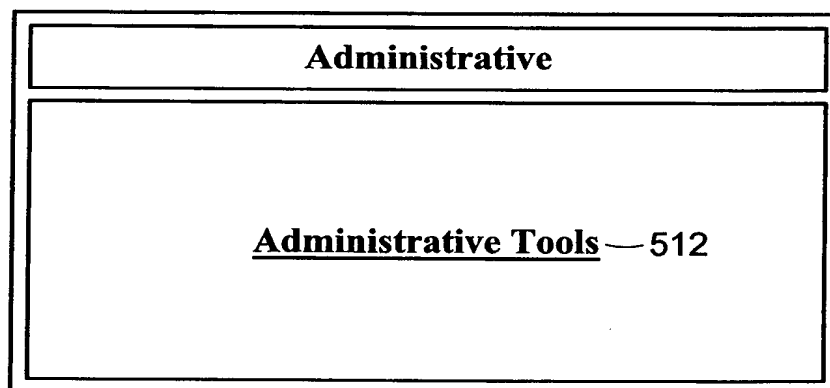


FIG. 6

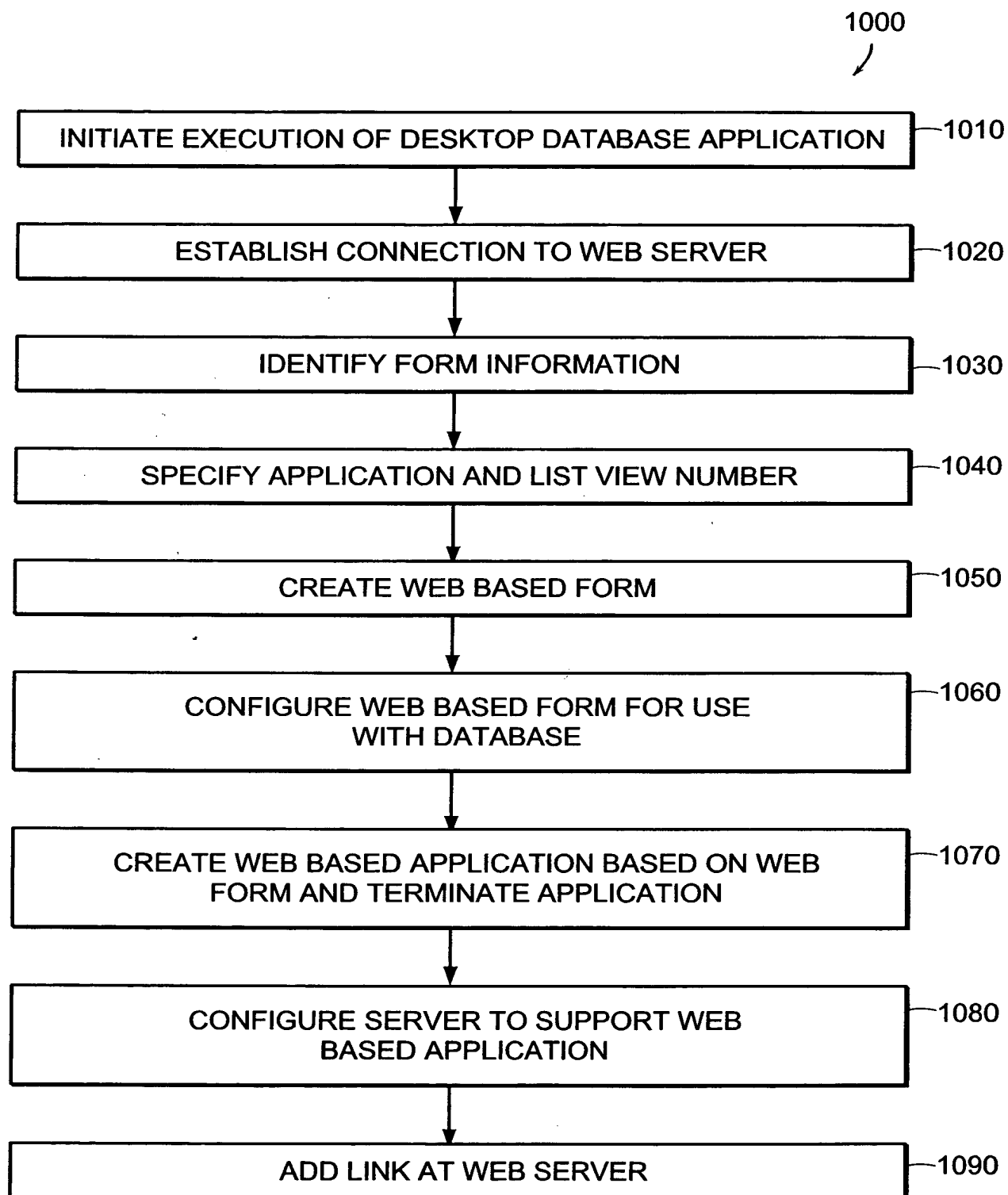


FIG. 4

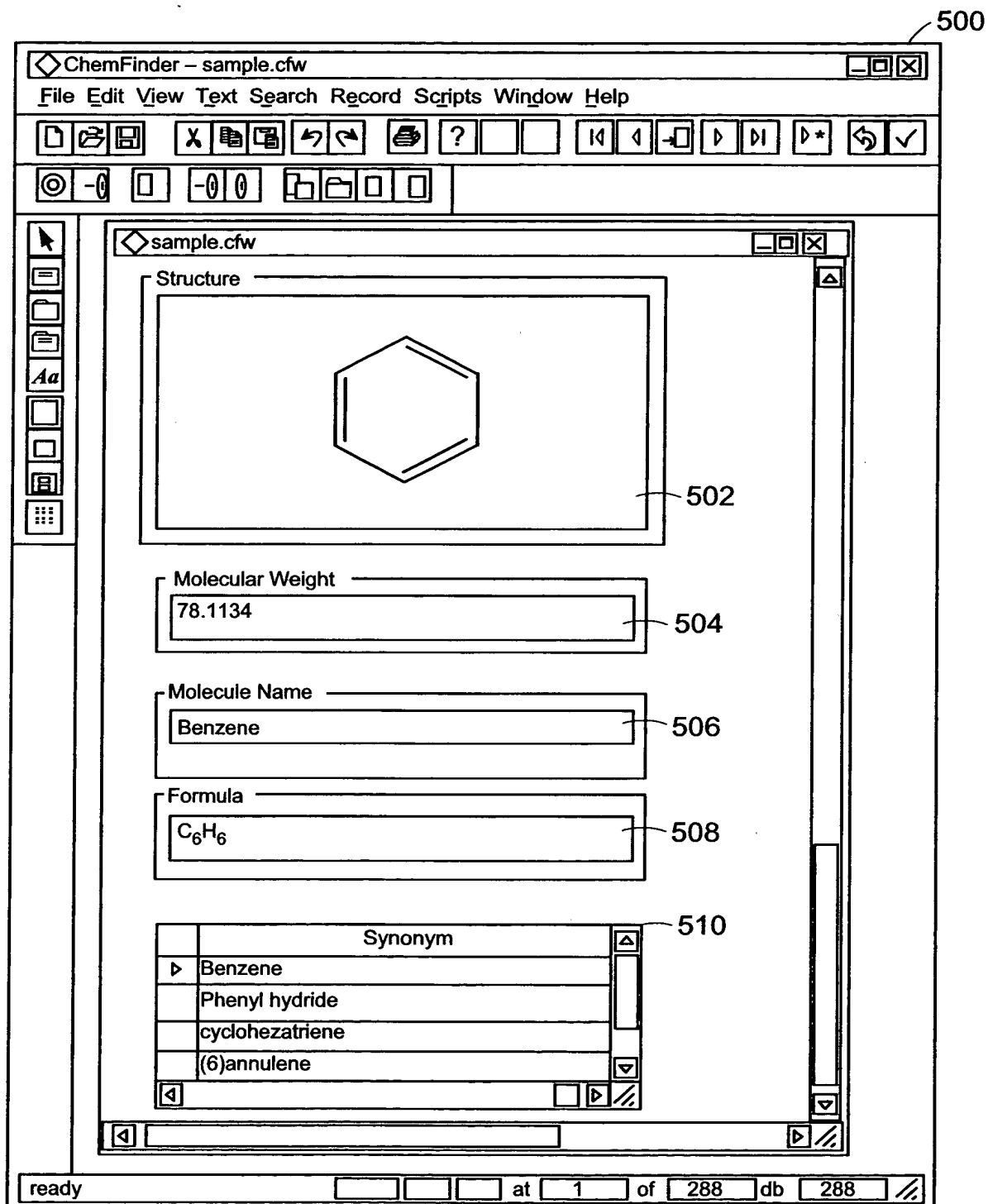


FIG. 5



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	<b>ChemOffice WebServer</b> <i>Internet Searching and Information</i>	Web Administration
<p>Please enter your username and password below:</p> <p>User ID: <input type="text"/></p> <p>Password: <input type="password"/></p> <p><input type="button" value="Login"/></p>		

FIG. 7

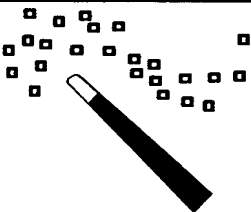

<b>ChemOffice Web Wizard</b>	
	
<p>Type a short name for the new web application:</p> <p><input type="text" value="WizardTest"/></p>	
<hr/>	
<input type="button" value="Help"/>	<input type="button" value="Cancel"/> <input type="button" value="Next&gt;"/>

FIG. 9



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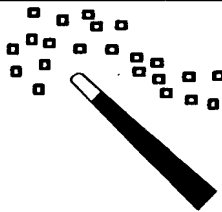
	<b>ChemOffice WebServer</b> <i>Internet Searching and Information</i>	<b>Web Administration</b>
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<b>ChemOffice WebServer Administration Options</b>	
Select a web application to edit:	
<input type="text" value="all_reactions_data ▾"/>	<input type="button" value="Edit Settings"/>
	<input type="button" value="Add Data View"/>
	<input type="button" value="Create New Web Application"/>
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<input type="button" value="Exit"/>	<input type="button" value="Help"/>

FIG. 8

**ChemOffice Web Wizard**

 Type the full path to the ChemFinder form that you want to convert:

C:\wizard\_test.cfw

Browse

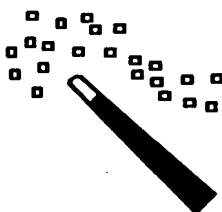
Select the type of data found in this ChemFinder database:

Structure ▾

Help Cancel <Back Next>

FIG. 10

**ChemOffice Web Wizard**

 Select the number of results to display in the result list view:

5 ▾

Select the fields that you want to appear in the list view (all fields will appear in detail below):

MolTable.Structure	▾
MolTable.Formula	
MolTable.MolWeight	
MolTable.Molname	
Synonyms.SYN_ID	Δ

Help Cancel <Back Next>

FIG. 11



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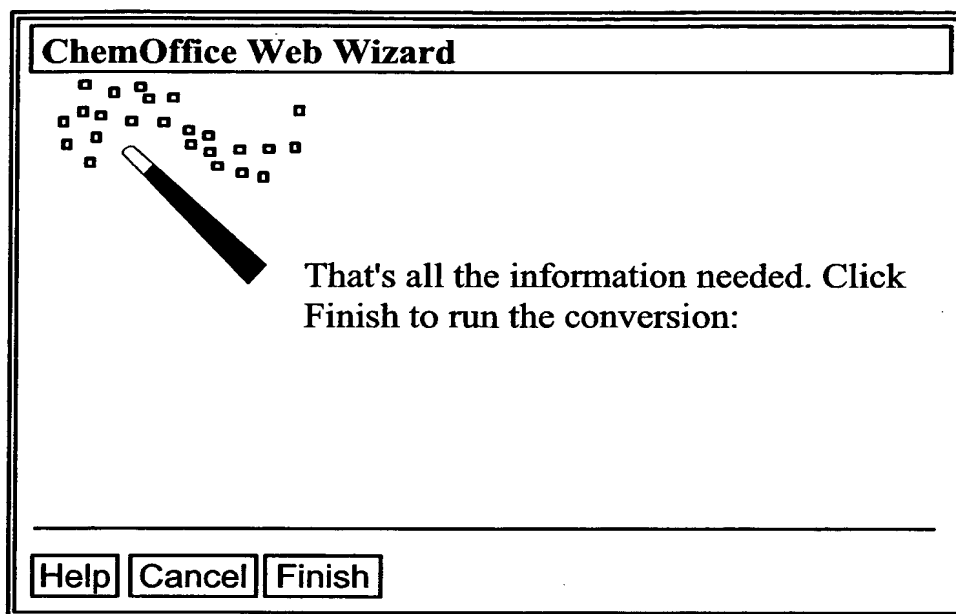


FIG. 12

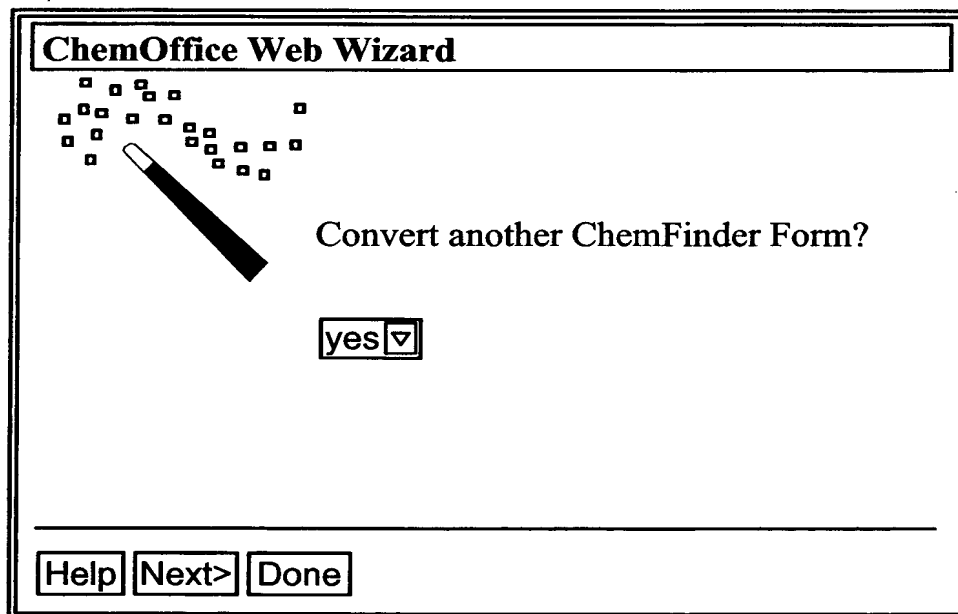



FIG. 13



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		<b>ChemOffice WebServer</b> <i>Internet Searching and Information</i>	<b>Web Administration</b>
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**ChemOffice WebServer Administration Options**  
 Select a web application to edit:

all\_reactions\_data

all\_reactions\_data  
chemacx  
chemindex  
chemmsdx  
chemrxn  
chem\_reg  
Derwent  
sample  
WizardTest

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Edit Settings  
Add Data View  
Create New Web Application

Exit Help

FIG. 14



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ChemMSDX

wizard test 518

sample

FIG. 15

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**ChemOffice WebServer**  
*Internet Searching and Information*

Query Input Form


Total Records: 288


Preferences Help About Log Off

Comment:

Search Clear Form Restore Last Retrieve All

Search Type

Substructure 



522

Molecular Weight

>200 524

Molecule Name

526

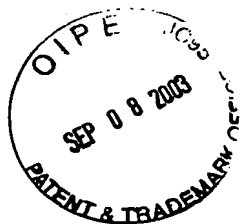
Formula

528

SynID


Synonym 530

FIG. 16



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**ChemOffice WebServer**  
Internet Searching and Information Results List View

Total Records: 288    Preferences    Help    About    Log Off

Comment:    New Query    Edit Query    Refine    Save Query    Export Hits

Record 1-5 of 48 hits    << < Rec# > >>

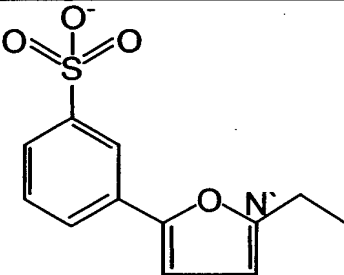
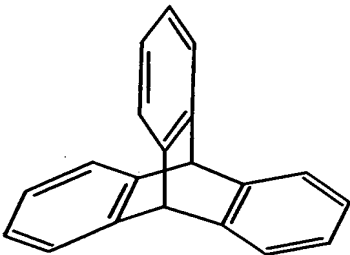
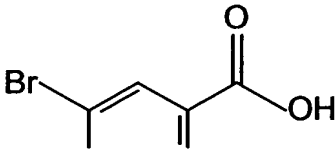
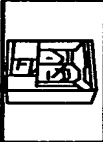
	Structure	Molname
Record 1 of 48 Mark Record Show Details		2-Ethyl-5-m-sulfophenylisoxazolium hydroxide, inner salt
Record 2 of 48 Mark Record Show Details		Triptycene
Record 3 of 48 Mark Record Show Details		3-Bromobenzoic acid

FIG. 17

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**ChemOffice WebServer**  
Internet Searching and Information

Results Form View

Total Records: 288

Comment:

Preferences

Help

About

Log Off

New Query

Edit Query

Save Query

Refine

Export Hits

Record 3 of 48 hits

<<

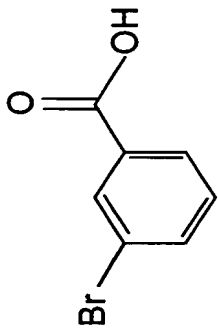
<

Rec#

>

>>

Return to List



**Molecular Weight**  
201.0193

**Molecule Name**  
3-Bromobenzoic acid

**Formula**  
C7H5BrO2

**Synonyms**  
m- Bromobenzoic acid  
3- Bromobenzoic Acid

FIG. 18

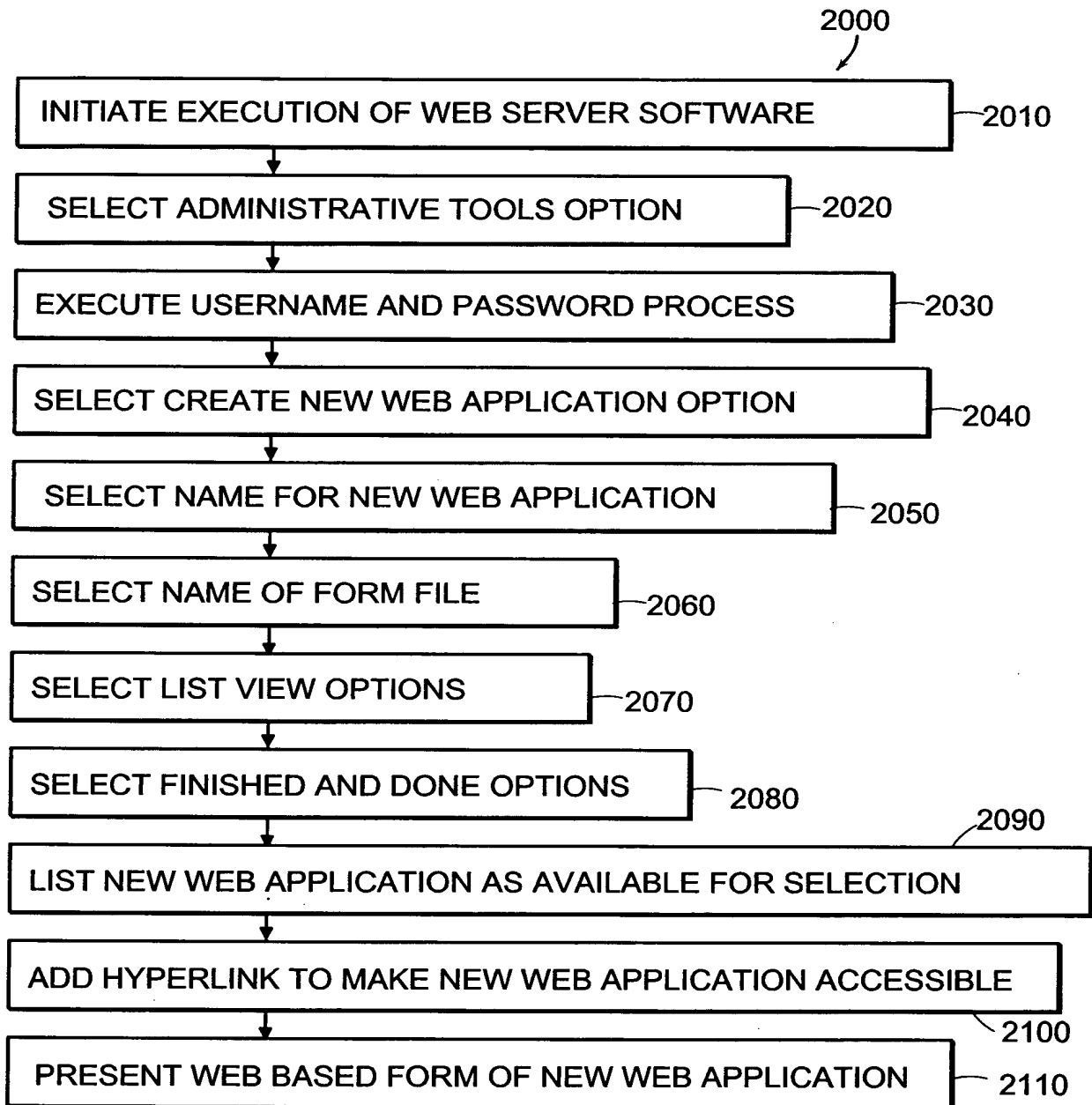


FIG. 19



FIG. 20A	FIG. 20B
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FIG. 20

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```
cfwoutput.txt

* CFW Form Definition

* FONT: height style name
* FBOX: boxtype l t r b id dtype fntno fldtype fldname

DSRC " "C:\wizard_test\wizard_test.MDB" " MolTable"
FONT 8 0 0 0 0 MS Sans Serif
FONT 10 0 0 0 0 Arial
FONT 8 700 0 0 0 Arial
```

FIG. 20A



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```
FBOX 6" "23 411 306 542" "2001" "0" "0" "1" "MOL_ID" "C:\wizard_test\w
izard_test.MDB" "Synonyms" "SYN_ID" "Synonym"
SUBFORM 2001
* CFW Form Definition

* FONT: height style name
* FBOX: boxtype l t r b id dtype fntno fldtype fldname

DSRC " "C:\samples\SAMPLE.MDB" " Synonyms"
FONT 8 0 0 0 0 MS Sans Serif
FONT 10 0 0 0 0 Arial
FONT 8 700 0 0 0 Arial

FBOX 0" "12 12 12 72 60" "2001" "0" "0" "1" "SYN_ID"
FBOX 0" "90 10 247 62" "2002" "0" "0" "0" "Synonym"
END SUBFORM
FBOX 1" "12 12 315 187" "2002" "1" "0" "0" "Structure"
FBOX 4" "20 28 307 179" "2003" "0" "0" "3" "Structure"
FBOX 1" "20 203 307 257" "2004" "1" "0" "0" "Molecular Weight"
FBOX 0" "28 219 299 249" "2005" "0" "0" "5" "MolWeight"
FBOX 1" "21 268 307 328" "2006" "1" "0" "0" "Molecule Name"
FBOX 0" "28 293 301 317" "2007" "0" "0" "0" "Molname"
FBOX 1" "21 339 309 399" "2008" "1" "0" "0" "Formula"
FBOX 5" "29 355 301 391" "2009" "0" "0" "4" "Formula"
```

FIG. 20B



FIG. 21A-1
FIG. 21A-2
FIG. 21A-3

FIG. 21A

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wizard\_test (1).ini

```
[GLOBALS]
ABOUT_WINDOW=wizard_test
DISPLAY_NAME=wizard_test
MAXHITS=100
CFW_INSTANCE=new
DB_RECORD_COUNT=288
DB_TYPE=STRUC
TABLE_ALIASES=MolTable, Synonyms
SUBFORM_VIEW_NAMES=NULL
ADO_CONNECTION_NAMES=base_connection
CHEM_CONNECTION_NAMES=base_cfw_form
TABLE_GROUPS=base_table_group
FORM_GROUPS=base_form_group, basenp_form_group, gs_form_group, add_record_form_group, drill_down_form_group
FIELD_MAP_GROUPS=gs_field_map_group
```

FIG. 21A-1





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```
[MOLTABLE]
TABLE_NAME=MolTable
RELATIONAL_FIELDS=Molname;0
PRIMARY_KEY=MOL_ID
SQL_SYNTAX=ACCESS
SELECT_KEYWORD=DISTINCT
SELECT_ADDITIONAL=NULL
SELECT_JOIN=MolTable.MOL_ID
SELECT_LINKS=MolTable.MOL_ID;1,MolTable.MOL_ID;1
INTER_TABLES=NULL
ADO_CONNECTION=base_connection
CHEM_CONNECTION=base_cfw_form
STRUC_FIELD_ID=MOL_ID
```

FIG. 21A-2



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```
[SYNONYMS]
TABLE_NAME=Synonyms
RELATIONAL_FIELDS=SYN_ID;1, Synonym;0
PRIMARY_KEY=SYN_ID
SQL_SYNTAX=ACCESS
SELECT_KEYWORD=NULL
SELECT_ADDITIONAL=NULL
SELECT_JOIN=Synonyms.SYN_ID=MolTable.MOL_ID
SELECT_LINKS=Synonyms.SYN_ID;1, MolTable.MOL_ID;1
INTER_TABLES=MolTable
ADO_CONNECTION=base_connection
CHEM_CONNECTION=NULL
STRUC_FIELD_ID=NULL
```

```
[BASE_CONNECTION]
CONN_TYPE=DBQ
CONNECTION_STRING=C:\wizard_test\wizard_test.MDB;Driver={Microsoft Acc
ess Driver (*.mdb)};DriverId=25;FIL=MS Access;
CONNECTION_TIMEOUT=30
COMMAND_TIMEOUT=30
```

FIG. 21A-3



FIG. 21B-1
FIG. 21B-2
FIG. 21B-3

FIG. 21B

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wizard\_test (1).ini

```
CONNECTION_USERNAME=""  
CONNECTION_PASSWORD=""
```

```
[BASE_CFW_FORM]  
STRUC_ENGINE=CFW  
STRUC_FORM_NAME=wizard_test  
STRUC_DB_PATH=C:\wizard_test\wizard_test.MDB  
STRUC_TABLE_NAME=MolTable
```

```
[BASE_TABLE_GROUP]  
BASE_TABLE=MolTable  
MOLECULE_TABLE=MolTable  
TABLE_SQL_ORDER=MolTable, Synonyms
```

FIG. 21B-1



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```
[BASE_FORM_GROUP]
INPUT_FORM_PATH=wizard_test_input_form.asp
INPUT_FORM_MODE=search
RESULT_FORM_PATH=wizard_test_result_list.asp
RESULT_FORM_MODE=list
PLUGIN_VALUE=True
STRUCTURE_FIELDS=MolTable.Structure
FORM_GROUP_FLAG=SINGLE_SEARCH
MW_FIELDS=MolTable.MolWeight
FORMULA_FIELDS=MolTable.Formula
SEARCHABLE_ADO_FIELDS=MolTable.Molname;0,Synonyms.SYN_ID;1,Synonyms.Sy
nonym;0
REQUIRED_FIELDS=NULL
SDFILE_FIELDS=NULL
TABLE_GROUP=base_table_group
NUM_LIST_VIEW=5
```

FIG. 21B-2



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```
[BASENP_FORM_GROUP]
INPUT_FORM_PATH=wizard_test_input_formnp.asp
INPUT_FORM_MODE=search
RESULT_FORM_PATH=wizard_test_result_list.asp
RESULT_FORM_MODE=list
PLUGIN_VALUE=False
STRUCTURE_FIELDS=NULL
FORM_GROUP_FLAG=SINGLE_SEARCH
MW_FIELDS=MolTable.MolWeight
FORMULA_FIELDS=MolTable.Formula
SEARCHABLE_ADO_FIELDS=MolTable.Molname;0,Synonyms.SYN_ID;1,Synonyms.Sy
nonym;0
REQUIRED_FIELDS=NULL
SDFILE_FIELDS=NULL
TABLE_GROUP=base_table_group
NUM_LIST_VIEW=5

[GS_FORM_GROUP]
INPUT_FORM_PATH=wizard_test_input_form.asp
INPUT_FORM_MODE=search
```

FIG. 21B-3

FIG. 21C-1
FIG. 21C-2
FIG. 21C-3

FIG. 21C

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```
wizard_test (1).ini
RESULT_FORM_PATH=wizard_test_result_list.asp
RESULT_FORM_MODE=list
PLUGIN_VALUE=True
STRUCTURE_FIELDS=MolTable.Structure
FORM_GROUP_FLAG=GLOBAL_SEARCH
MW_FIELDS=MolTable.MolWeight
FORMULA_FIELDS=MolTable.Formula
SEARCHABLE_ADO_FIELDS=MolTable.Molname;0,Synonyms.SYN_ID;1,Synonyms.Sy
nonym;0
REQUIRED_FIELDS=NULL
SDFILE_FIELDS=NULL
TABLE_GROUP=base_table_group
NUM_LIST_VIEW=5
FIELD_MAP_GROUP=gs_field_map_group
```

FIG. 21C-1



```
[ADD_RECORD_FORM_GROUP]
INPUT_FORM_PATH=wizard_test_input_form.asp
INPUT_FORM_MODE=search
RESULT_FORM_PATH=wizard_test_result_list.asp
RESULT_FORM_MODE=list
PLUGIN_VALUE=True
STRUCTURE_FIELDS=MolTable.Structure
FORM_GROUP_FLAG=ADD_RECORD
MW_FIELDS=MolTable.MolWeight
FORMULA_FIELDS=MolTable.Formula
SEARCHABLE_ADO_FIELDS=MolTable.Molname;0,Synonyms.SYN_ID;1,Synonyms.Sy
nonym;0
REQUIRED_FIELDS=NULL
SDFILE_FIELDS=NULL
TABLE_GROUP=base_table_group
NUM_LIST_VIEW=5
TABLE_ORDER_FULL_COMMIT=MolTable,Synonyms
TABLE_ORDER_PARTIAL_COMMIT=MolTable,Synonyms
REG_COMMIT_Basetable=MolTable
REG_COMMIT_MolTable=MolTable
```

FIG. 21C-2



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```
[DRILL_DOWN_FORM_GROUP]
INPUT_FORM_PATH=wizard_test_input_form.asp
INPUT_FORM_MODE=search
RESULT_FORM_PATH=wizard_test_result_list.asp
RESULT_FORM_MODE=list
PLUGIN_VALUE=True
STRUCTURE_FIELDS=MolTable.Structure
FORM_GROUP_FLAG=INDEX_SEARCH
MW_FIELDS=MolTable.MolWeight
FORMULA_FIELDS=MolTable.Formula
SEARCHABLE_ADO_FIELDS=MolTable.Molname;0,Synonyms.SYN_ID;1,Synonyms.Sy
nonym;0
REQUIRED_FIELDS=NULL
SDFILE_FIELDS=NULL
TABLE_GROUP=base_table_group
```

FIG. 21C-3





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wizard\_test (1).ini

NUM\_LIST\_VIEW=5

INDEX\_DB=wizard\_test

[GS\_FIELD\_MAP\_GROUP]

STRUC\_FIELD\_MAP=MolTable.Structure,MolTable.Structure

MW\_FIELD\_MAP=MolTable.MolWeight,MolTable.MolWeight

FORMULA\_FIELD\_MAP=MolTable.Formula,MolTable.Formula

OTHER\_FIELD\_MAP1=NULL

OTHER\_FIELD\_MAP2=NULL

OTHER\_FIELD\_MAP3=NULL

OTHER\_FIELD\_MAP4=NULL

OTHER\_FIELD\_MAP5=NULL

OTHER\_FIELD\_MAP6=NULL

FIG. 21D